

**COPY**

Attorney's Do. No. 1482-83

**DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled LOW SUPPLY CURRENT RMS-TO-DC CONVERTER, the specification of which:

[X] was filed on February 24, 1999 as Application No. 09/256,640.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Sec. 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed: NONE

I hereby claim the benefit under Title 35, United States Code, Sec. 119(e) of any United States provisional application listed below: NONE

I hereby claim the benefit under Title 35, United States Code, Sec. 120 of any United States application(s), or Sec. 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, Sec. 112. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application: NONE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

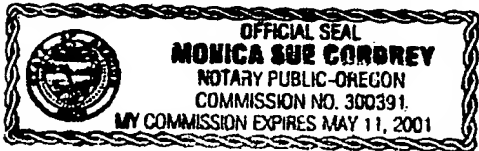
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Executed at Beaverton, Oregon, this 30th day of  
April, 1999.

Barrie Gilbert  
Barrie Gilbert  
Assignor

STATE OF OREGON                   )  
  ) ss.  
County of Washington           )

Before me this 30th day of April, 1999, personally appeared the  
above-named individual, to me known to be the person who is described in and who executed  
the foregoing assignment instrument and acknowledged to me that he executed the same of  
his own free will for the purpose therein expressed.



Monica Sue Cordrey  
Notary Public for Oregon  
My commission expires: May 11, 2001

[SEAL]

002201-124169500

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PATENT APPLICATION  
Attorney's Do. No. 1482-83

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Barrie Gilbert

Serial No. 09/256,640

Group Art Unit: 2838

Filed: February 24, 1999

Examiner: Not Yet Assigned

For: LOW SUPPLY CURRENT RMS-TO-DC CONVERTER

BOX MISSING PARTS

Assistant Commissioner for Patents  
Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST  
AND REVOCATION OF PRIOR POWERS

I, William A. Wise, Assistant Clerk of Analog Devices, Inc., having a place of business at One Technology Way, Norwood, MA, assignee of the entire right, title and interest of the above-described U.S. patent application, by the assignment submitted under separate cover for recordal (copy enclosed), represent that I am empowered to sign on behalf of assignee, as evidenced by the enclosed Officer's Certificate.

As assignee of the above identified application, all powers of attorney previously given are hereby revoked and the following attorneys and/or patent agents are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith:

Customer No. 20575

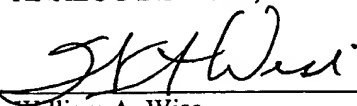
<u>Attorney Name</u>	<u>Registration No.</u>
Jerome S. Marger	26,480
Alexander C. Johnson, Jr.	29,396
Alan T. McCollom	28,881
Glenn C. Brown	34,555
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Gregory T. Kavounas	37,862
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James E. Harris	40,013
Graciela G. Cowger	42,444
Ariel Rogson	43,054

Direct all telephone calls to Joseph S. Makuch at (503) 222-3613 and send all correspondence to:

MARGER JOHNSON & MCCOLLOM, P.C.  
1030 S.W. Morrison Street  
Portland, Oregon 97205

ANALOG DEVICES, INC.

Date: 4/26/99

  
William A. Wise  
Assistant Clerk

ANALOG DEVICES, INC.

OFFICER'S CERTIFICATE

JC918 U.S. PTO  
09/694731  
10/23/00

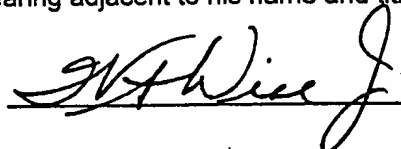
I, Joseph E. McDonough do hereby certify that I am a duly elected and serving Vice President of Analog Devices, Inc. (the "Company") and that at a meeting of the Board of Directors of the Company duly held on March 10, 1998, at which a quorum of the Directors were present and voting throughout, the following resolution was adopted:

VOTED: *[Authority for Patent and Trademark Registrations]*

That any **Officer, the Clerk and Assistant Clerks of the corporation** hereby are authorized and empowered in the name of and on behalf of the corporation, and under its corporate seal, from time to time, to execute and deliver certificates, powers of attorney, applications or other instruments with respect to any patent, trademark, copyright registration or application of any of the foregoing or for the protection of intellectual property in any country in the world.


I further certify that the following named person is the duly elected and serving Assistant Clerk of Analog Devices, Inc. and that the signature appearing adjacent to his name and title is his signature.

William A. Wise, Jr.  
Assistant Clerk



IN WITNESS WHEREOF I have executed this Officer's Certificate as of this 30 day of March 1998.

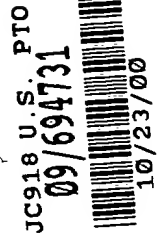
(SEAL)



Joseph E. McDonough  
Vice President, Finance &  
Chief Financial Officer


of 9/20/2002  
Carolyn B. McNeil

STATE OF OREGON       )  
  ) ss.  
County of Multnomah    )



I certify that this is a true and correct copy of **OFFICER'S CERTIFICATE** executed by Joseph E. McDonough, Vice President, Finance and Chief Financial Officer of Analog Devices, Inc., in the possession of Marger Johnson & McCollom, P.C.

Dated:       May 7, 1999

  
\_\_\_\_\_  
Christina Borgens  
Notary Public for Oregon  
My commission expires: Nov. 4, 2001



COPY OF ORIGINAL  
ASSIGNMENT  
DO NOT RECORD

PATENT APPLICATION  
Attorney's Do. No. 1482-83

ASSIGNMENT

Assignor: Barrie Gilbert

Address: 10605 NW Lost Park Drive  
Portland, OR 97229

Assignee: Analog Devices, Inc.

Address: One Technology Way  
Norwood, MA 02062

Title of  
Invention: LOW SUPPLY CURRENT RMS-TO-DC CONVERTER

U.S. Patent Application:

Application Serial No.: 09/256,640

Filing Date: February 24, 1999

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

